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EXPERT SYSTEMS AND SOLUTIONS

48, North Street, Aranarai, Perambalur, Tamil Nadu, India.

Email ID: expertsyssol@yahoo.com,

Website: www.researchprojects.info

Phone: 9952749533,

INDUSTRIAL AUTOMATION THROUGH SMS

This project is aimed at developing control of equipments connected to a PC through SMS. Usually switch control is used to control the electrical equipments. It is a manual task and a person has to go to the distant place in order to control the equipment when switch control is located far from easy reach. This inconvenience can be minimized by using wireless communication developed in our project. This system has been developed using a PC & a mobile. The former acts as a command initiator and the latter acts as a command receiver. Both are capable of communicating serially. The PC is equipped with buffers to the relays through parallel port. The operation to be performed is sent by mobile as SMS to PC. The PC on receiving the SMS, controls the equipments connected to it appropriately.

Software has been developed in C to TX/RX serial data. Serial port software routines are used to configure and communicate. ON/OFF controls of relays are done by parallel port software routines. Specific software commands are used to control each equipment

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